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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/696,022	10/30/2003	Takahisa Koyasu	01-501	7059
23400 7590 01/17/2007 POSZ LAW GROUP, PLC			EXAMINER	
12040 SOUTH LAKES DRIVE			PHU, PHUONG M	
SUITE 101 RESTON, VA 20191			ART UNIT	PAPER NUMBER
			2611	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	, MAIL DATE	DELIVERY MODE	
2 MONTHS		01/17/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Angliana Al			
	Application No.	Applicant(s)			
Office Action Summary	10/696,022	KOYASU, TAKAHISA			
· ·	Examiner	Art Unit			
The MAIL INC DATE of the	Phuong Phu	2611			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
 1) Responsive to communication(s) filed on 30 Oc 2a) This action is FINAL. 2b) This 3) Since this application is in condition for allowant closed in accordance with the practice under Ex 	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) 4-20 is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) 1-3 is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) acceed to the period of the correction of the cor	vn from consideration. Telection requirement. Expected or b) objected to by the Edrawing(s) be held in abeyance. Secon is required if the drawing(s) is objected.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 10/30/03.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa	ite			

DETAILED ACTION

Claim Objections

1. Claims 1-3 are objected to because of the following informalities:

-Claim 1 recites the limitation "a receiver circuit for receiving the trapezoidal wave signal" on lines 10-11. It appears in the claim that the phrase "the trapezoidal wave signal" in the limitation refers to "the trapezoidal wave signal" previously recited in the limitation "a driver circuit for delivering the trapezoidal wave signal to a communication line". However, as illustrated by figure 1 and described on pages 17-18 of the specification of the instant application, the "receiver circuit 22" receives "asynchronous serial communication data" over a LIN bus via a receive path while the "driver circuit 23" delivers a "trapezoidal wave signal" to the LIN bus via a transmit path being opposite with the receive path. It is suggested the phrase "the trapezoidal wave signal" in the limitation "a receiver circuit for receiving the trapezoidal wave signal" to be changed to —a trapezoidal wave signal—in order to make it distinguishable from "the trapezoidal wave signal" of the limitation "a driver circuit for delivering the trapezoidal wave signal to a communication line".

-Claim 1 recites the limitation "the LIN bus" on line 14. This limitation is lack of antecedent basis. The limitation is suggested to be changed to --the communication line-- in order to make it consistent with the term "communication line" previously recited on lines 9 and 11.

Appropriate correction is required.

-Claims 2 and 3, depended on claim 1, are therefore also objected.

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Allowable Subject Matter

2. Claims 1-3 would be allowable if rewritten or amended to overcome the objection(s) set forth in this Office action.

3. Claims 4-20 are allowed.

Conclusion

4. This application is in condition for allowance except for the above formal matters.

Prosecution on the merits is closed in accordance with the practice under *Ex parte*Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

- 5. References 4896333, 4645946, 5638402, 4988958, 6269388 and 4471399 are cited because they are pertinent to the claimed invention.
- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong Phu whose telephone number is 571-272-3009. The examiner can normally be reached on M-F (8:00 AM 4:30 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel can be reached on 571-272-2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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PHUONG PHU PRIMARY EXAMINER Phuong Phu Primary Examiner Art Unit 2611

Phung Phu 12/20/06